

~~graphitizing raw graphite by heating raw graphite to  
at least 2000°C, to produce graphitized raw graphite;~~

~~pulverizing said graphitized raw graphite, to  
produce pulverized graphite;~~

~~sieving said pulverized graphite for obtaining  
graphite powder having a maximum particle diameter of 100  $\mu$ m;  
and either~~

~~(a) heating said graphite powder as a heat treatment for  
transforming the crystalline structure to hexagonal structure,  
and further heating said graphite powder, at a higher  
temperature than said heat treatment for transforming the  
crystalline structure, for eliminating impurities; or~~

~~(b) immersing said graphite powder into an acidic  
solution as an immersing treatment, washing with water,  
neutralizing and drying.~~

Sub D2  
24. A method of manufacturing a <sup>non-aqueous</sup> ~~lithium~~ secondary  
battery, comprising the steps of:

~~fabricating graphite electrodes by subjecting  
graphite powder to pressing;~~

~~laminating said graphite electrodes with a lithium  
group oxide; and~~

~~enclosing said graphite electrodes into a cell  
vessel with an electrolyte solution, wherein~~

~~said graphite powder is manufactured by the method  
of claim 23.~~

C 25. A <sup>non-aqueous</sup> ~~lithium~~ secondary battery manufactured by the process of claim 24.

C 26. A method of manufacturing a <sup>non-aqueous</sup> ~~lithium~~ secondary battery, comprising the steps of:  
B/ laminating graphite electrodes with a lithium group oxide; and

enclosing said graphite electrodes into a cell vessel with an electrolyte solution, wherein said graphite electrodes are manufactured by the steps of:

granulating the graphite to graphite powder having a particle size equal to or smaller than 100  $\mu\text{m}$ ,

(a) treating said graphite powder by heating at 900°C or higher, after said granulating, or

(b) immersing said graphite powder into an acidic solution as an immersing treatment, washing said graphite powder, neutralizing said graphite powder, and drying said graphite powder, and

after said (a) treating or said (b) immersing, fabricating said graphite powder electrodes by subjecting the heat-treated graphite powder to pressing.

C 27. A <sup>non-aqueous</sup> ~~lithium~~ secondary battery manufactured by the process of claim 26.--